



JC10 Rec'd PCT/PTO 09 MAY 2005

PATENT

PC-7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: LEONHARTSBERGER ET AL.-3 PCT
SERIAL NO.: 10/530,844
FILED: APRIL 8, 2005
TITLE: FEEDBACK-RESISTANT HOMOSERINE TRANSSUCCINYLAES HAVING
A MODIFIED C TERMINUS


SUBMISSION OF INFORMATION DISCLOSURE
STATEMENT OF DR. HOLGER POTTEN

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants wish to bring to the attention of the Patent Examiner the attached Information Disclosure Statement, duly signed by Dr. Holger Potten, and the references listed on the enclosed Form PTO-1449 and attached thereto. It is respectfully requested that the foregoing Information Disclosure Statement be incorporated into the official file of the present patent application.

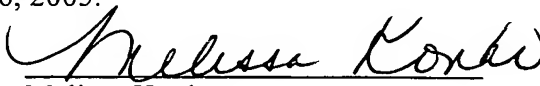
Respectfully submitted,
LEONHARTSBERGER ET AL.-3 PCT

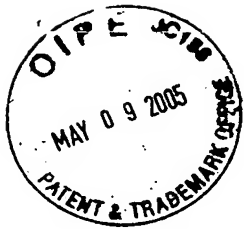

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Edward R. Freedman, Reg. No. 26,048
Elizabeth Collard Richter, Reg. No. 35,103
Attorneys for Applicant

COLLARD & ROE, P.C.
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Roslyn, New York 11576
(516) 365-9802
ECR:lgh

Encs: Information Disclosure Statement of Dr. Holger Potten, International Search Report,
PTO-1449 form and seventeen (17) references

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on May 6, 2005.


Melissa Konko



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
LEONHARTSBERGER ET AL.
Serial Number. 101530,844
Filed: April 8, 2005
For:
FEEDBACK-RESISTANT HOMOSERINE TRANSSUCCINYLAES HAVING A
MODIFIED C TERMINUS

Group Art Unit:

Information Disclosure Statement

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir or Madam:

I, Holger Potten, associated with the preparation and prosecution of the above-identified application, residing at Neubiberger Straße 17a, 81737 München, Germany, wish to call the attention of the Patent Examiner to the references enumerated on the enclosed PTO Form-1449.

I believe the documents enumerated on the enclosed Form PTO-1449 and attached thereto, are cited in the enclosed International Search Report and may be material to the examination of the application.

Therefore, it is respectfully requested that the foregoing Information Disclosure Statement be considered by the Examiner and incorporated into the file of this application.

I wish to comment as follows concerning the prior art references enumerated on PTO Form-1449:

US 5,120,837, cited in the application, is already in English language.

US 5,698,418, cited in the International Search Report, is already in English language.

US 2002/0106800 A1, cited in the International Search Report, is already in English language.

EP 0 745 671 A2, cited in the application, is already in English language.

JP 2000-139471-A, cited in the application, the English Thomson Derwent translation is enclosed.

WO 93/09225, cited in the German office action, is already in English language.

DE 102 47 437 A1, cited in the application, the corresponding Derwent abstract in English language is enclosed.

MORINAGA ET AL.: "Regulatory Properties of L-Methionine Biosynthesis in Obligate Methylophilum OM 33: Role of Homoserine-0-transsuccinylase", Agric. Biol. Chem., Vol. 46, No. 1, 1982, Pages 57 – 64, cited in the International Search Report, is already in English language.

BOURHY ET AL.: "Homoserine 0-Acetyltransferase, Involved in the *Leptospira meyeri* Methionine Biosynthetic Pathway, Is Not Feedback Inhibited", Journal of Bacteriology, July 1997, Vol. 179, No. 13, Pages 4396 – 4398, cited in the International Search Report, is already in English language.

DUCLOS ET AL.: "Nucleotide sequence of the *metA* gene encoding homoserine trans-succinylase in *Escherichia coli*", Nucleic Acids Research, 1989, Vol. 17, No. 7, Page 2856, cited in the International Search Report, is already in English language.

LAWRENCE ET AL.: "Regulation of the Methionine Feedback-Sensitive Enzyme in Mutants of *Salmonella typhimurium*", Journal of Bacteriology, January 1972, Vol. 109, No. 1, Pages 8 - 11, cited in the German office action, is already in English language.

KREDICH ET AL., TOMKINS ET AL.: "The Enzymic Synthesis of L-Cysteine in *Escherichia coli* and *Salmonella typhimurium*", The Journal of Biological Chemistry, 1966, Vol. 241, No. 21, Pages 4955 – 4965, cited in the application, is already in English language.

LEE ET AL.: "Multimetabolite Control of a Biosynthetic Pathway by Sequential Metabolites", The Journal Of Biological Chemistry, 1966, Vol. 241, No. 22, Pages 5479 – 5480, cited in the application, is already in English language.

SHIOZAKI ET AL.: "S-Adenosyl-L-methionine Production by *Saccharomyces sake*: Optimization of the Culture Conditions for the Production of Cells with a High S-Adenosyl-L-methionine Content", Agric. Biol. Chem., 1989, Vol. 53, No. 12, Pages 3269 – 3274, cited in the application, is already in English language.

SCHLENK ET AL., DePALMA ET AL.: „The Preparation of S-Adenosylmethionine“, J. Biol. Chem., 1957, Pages 1037 – 1050, cited in the application, is already in English language.

GREENE ET AL.: "Biosynthesis of Methionine" in Neidhardt F.C., *Escherichia coli* and *Salmonella typhimurium*, Cellular and molecular biology, 2nd Edition, ASM Press, Washington DC 1996, Pages 542 – 560, cited in the application, is already in English language.

Signed this 11th day of April, 2005.


.....
Dr. Holger Potten

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

MAY 09 2005

ATTY. DOCKET NO. :

LEONHARTSBERGER-
GERETAL. (AT)

SERIAL NO.

10/530,844

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT :

LEONHARTSBERGER ET AL.

FILING DATE:

APRIL 8, 2005

GROUP:

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|-----------------|----------|---------------------|-------|----------|-------------------------------|
| | AA | 2002/0106800 | 08/08/02 | Liaw et al. | | | |
| | AB | 5,698,418 | 12/16/97 | Brunner et al. | | | |
| | AC | 5,120,837 | 06/09/92 | Fotheringham et al. | | | |
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FOREIGN PATENT DOCUMENTS

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| | | | | | | | YES | NO |
| | AL | 93/09225 | 05/13/93 | International | | | | |
| | AM | 0745671 | 12/04/96 | Europe | | | | |
| | AN | 2000-139471 | 05/23/00 | Japan | | | | |
| | AO | 10247437 | 04/29/04 | Germany | | | | |
| | AP | | | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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|--|----|--|---|
| | AR | | Morinaga et al., Agric. Biol. Chem., Vol. 46, No. 1, Pages 57-63, 1982. |
| | AS | | Duclos et al., "Nucleotide sequence of the metA gene encoding homoserine trans-succinylase in Escherichia coli," Nucleic Acids Res., Vol. 17, No. 7, Page 2256. |
| | AT | | Bourhy et al., Journal of Bacteriology, July 1997, Vol. 179, No. 13, Pages 4396-4398. |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| FORM PTO 1449 (REV. 7-80) MAY 09 2005 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO. LEONHARTSBERGER ET AL. (ST) SERIAL NO. 101530,844 |
| APPLICANT: LEONHARTSBERGER ET AL. | |
| FILING DATE: APRIL 8, 2005 | |

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | AR | | <i>schlenk et al., DePalma et al., "The Formation of S-Adenosyl (methionine in Yeast", J. Biol. Chem., 1957, Pages 1037-1050.</i> |
| | AS | | <i>shiozaki et al., Agric. Biol. Chem., 1989, Vol. 53, No. 12, Pages 3269-3274.</i> |
| | AT | | <i>lee et al., "Multimetabolite control of a Biosynthetic Pathway by sequential metabolites", J. Biol. Chem., 1966, Vol. 241, No. 22, Pages 5479-5480.</i> |

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| FORM PTO-1449 (REV 7-80) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO.: LEONHARTSBERGER ET AL. (T) | | SERIAL NO. 10/530,844 | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
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| AS | | Lawrence et al., | Journal of Bacteriology, January 1972, Vol. 109, No. 1, Pages 8-11. |
| AT | | Greene et al., | Biosynthesis of Methionine, Neidhardt F.C., 2nd Edition, Ash Press, Washington DC, 1996, Pages 542-560. |

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| | AR | | thomson derwent abstract corresponding to JP2000-139474 |
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